

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 342 541 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.09.2003 Bulletin 2003/38

(51) Int Cl.7: **B26B 21/22**

(43) Date of publication A2:
10.09.2003 Bulletin 2003/37

(21) Application number: **03012332.7**

(22) Date of filing: **24.09.1998**

(84) Designated Contracting States:
DE ES FR GB IT

(30) Priority: **30.09.1997 US 941328**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
98948533.9 / 1 019 224

(71) Applicant: **THE GILLETTE COMPANY**
Boston, Massachusetts 02199 (US)

(72) Inventors:

- **Apprille, Domenic Vincent Jr.**
Arlington, MA 02174 (US)
- **Anderson, Katherine Elizabeth**
Swampscott, MA 01907 (US)

(74) Representative:

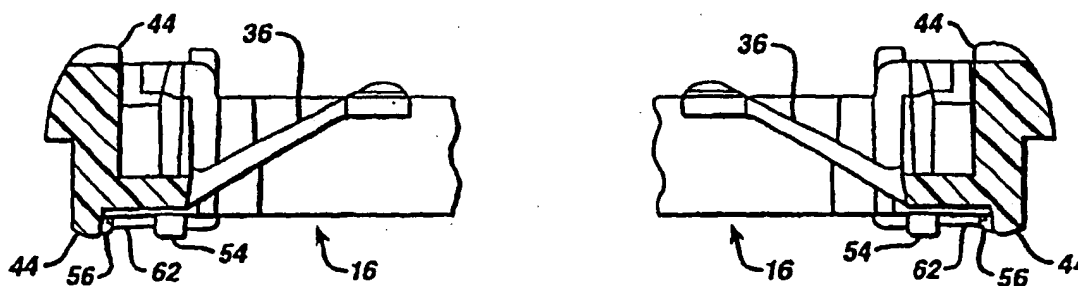
Ebner von Eschenbach, Jennifer et al
Ladas & Parry,
Dachauerstrasse 37
80335 München (DE)

(54) **Razor cartridge with metal clip retaining blades**

(57) A razor cartridge characterized by a housing having a wedge portion (56) extending outward beyond an adjacent portion, blades mounted on said housing,

and a metallic retaining clip (42) that retains said blades and that has an end portion (50) that makes an interference fit with said wedge portion so as to facilitate retaining said clip on said housing.

FIG. 4



EP 1 342 541 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 01 2332

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (In I.C.L.7)
A	WO 96 10473 A (GILLETTE CO ; ANDERSON KATHERINE (US); MAIDER RALPH KENNETH JR (US)) 11 April 1996 (1996-04-11) * page 5, line 13 - page 9, line 26; figures 1-10 *	1,8	B26B21/22
A	US 4 492 024 A (JACOBSON CHESTER F) 8 January 1985 (1985-01-08) * column 2, line 49 - column 3, line 57; figures 1-4 *	1,8	
D,A	US 4 378 634 A (JACOBSON CHESTER F) 5 April 1983 (1983-04-05) * the whole document *	1,8	
			TECHNICAL FIELDS SEARCHED (In I.C.L.7)
			B26B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		18 July 2003	Herijgers, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</p>			

EPO FORM 1503 (03.02) (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 2332

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-07-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9610473	A	11-04-1996	AT 186489 T	15-11-1999
			AU 703762 B2	01-04-1999
			AU 3828795 A	26-04-1996
			BR 9509216 A	27-01-1998
			CA 2200720 A1	11-04-1996
			CN 1159779 A	17-09-1997
			CZ 9700931 A3	17-09-1997
			DE 69513302 D1	16-12-1999
			DE 69513302 T2	08-06-2000
			DK 784530 T3	01-05-2000
			EP 0784530 A1	23-07-1997
			ES 2138241 T3	01-01-2000
			FI 971357 A	02-04-1997
			GR 3032495 T3	31-05-2000
			HK 1001517 A1	14-07-2000
			JP 10506813 T	07-07-1998
			NZ 295038 A	29-03-1999
			PL 319452 A1	04-08-1997
			PT 784530 T	28-04-2000
			RU 2131349 C1	10-06-1999
			TR 960280 A2	21-06-1996
			WO 9610473 A1	11-04-1996
			US 5761814 A	09-06-1998
US 4492024	A	08-01-1985	CA 1209327 A1	12-08-1986
			US 4498235 A	12-02-1985
			US 4621424 A	11-11-1986
			US 4573266 A	04-03-1986
US 4378634	A	05-04-1983	US 4270268 A	02-06-1981
			AU 537273 B1	14-06-1984
			BR 8200326 A	23-11-1982
			CA 1150492 A1	26-07-1983
			DE 3127999 A1	12-08-1982
			ES 271894 Y	16-04-1984
			FR 2498971 A1	06-08-1982
			GB 2092052 A	11-08-1982
			GR 76358 A1	06-08-1984
			IT 1150135 B	10-12-1986
			JP 57148979 A	14-09-1982
			NL 8200238 A	16-08-1982
			US 4442598 A	17-04-1984
			AR 230807 A1	31-07-1984
			AU 528451 B2	28-04-1983
			BR 8007772 A	16-06-1981
			CA 1130997 A1	07-09-1982

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 2332

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-07-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4378634 A	DE	3042671 A1	11-06-1981
	ES	259039 Y	01-11-1982
	ES	8200257 A1	16-01-1982
	FR	2471260 A1	19-06-1981
	GB	2064410 A ,B	17-06-1981
	GR	71616 A1	17-06-1983
	HK	33583 A	09-09-1983
	IN	155035 A1	22-12-1984
	IT	1127929 B	28-05-1986
	JP	1237349 C	31-10-1984
	JP	56132983 A	17-10-1981
	JP	59013875 B	02-04-1984
	NL	8006527 A ,B,	01-07-1981
	US	4378633 A	05-04-1983
